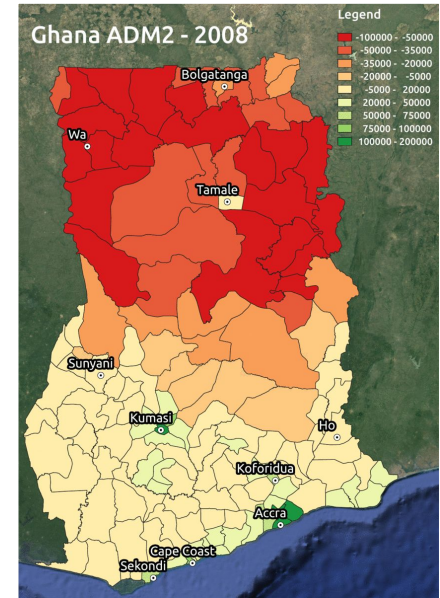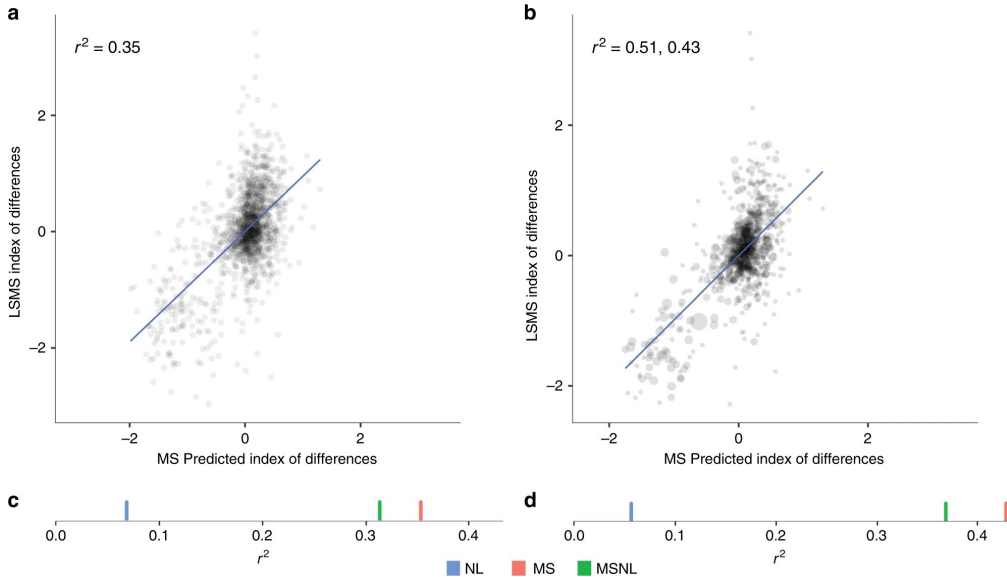# Combining Ground + Remotely Sensed Data

# Secondary Ground-based Data

- Additional outcome measures, if sample is big/dense enough
  - Example from N. Mali shortly

- Training + validation data for other approaches, if sample is not
  - Poverty estimates based on DHS (Jean et al 2016, AtlasAi)

# Poverty estimates from satellite imagery

- Great progress on cross-sectional estimates
- Time series still much more problematic:

# Field Work: Collecting GPS plot data

- Options for collecting plot data:
  - Center point
  - Corners
  - Walk patterns

- Additional considerations
  - Distance from household

# Field Work: Infrastructure

- ○ Dams and other infrastructure
    - ■ Data collection challenges
    - ■ How much data do you need?

- ○ What questions to ask?
    - ■ About the data collection
    - ■ About the feature (who do you ask?)

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# Field Work: Issues to watch for

- Safety considerations

- Backup plans

- Matching data